

1AP13 Rec'd PCT/PTO 14 FEB 2007

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Fukatsu et al. Examiner
Serial No.: 10/580906 Group Art: unknown
Filed: May 26, 2006 Docket: 20039.0005USWO

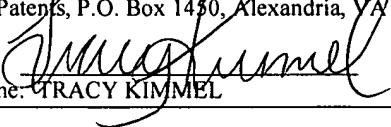
Title: RECEPTOR FUNCTION REGULATING AGENT

CERTIFICATE UNDER 37 CFR 1.10

Express Mail mailing label number: EV 802672995 US

Date of Deposit: February 14, 2007

I hereby certify that the papers listed below are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 CFR 1.10 in an envelope addressed to: Mail Stop Missing PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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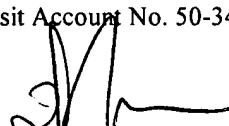
Sir:

The following papers are transmitted herewith:

- Transmittal Sheet in duplicate containing Certificate of Mailing 1.10
- Sequence listing diskette (computer readable); sequence listing (paper copy)
- Communication: Submission of Computer Readable Sequence Listing
- Copy of the Notification to Comply with Requirements mailed December 14, 2006
- Return Postcard

Please charge any additional fees or credit overpayment to Deposit Account No. 50-3478. A duplicate of this sheet is enclosed.

Hamre, Schumann, Mueller & Larson, P.C.
P.O. Box 2902 Minneapolis, MN 55402
612.455-3800

By: 
Name: Douglas P. Mueller
Reg. No.: 30,300
Initials: DPM:rkw



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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/580,906	Kohji Fukatsu	20039.0005USWO
		INTERNATIONAL APPLICATION NO.
		PCT/JP04/17996
		LA. FILING DATE PRIORITY DATE
		11/26/2004 11/26/2003

52835
 HAMRE, SCHUMANN, MUELLER & LARSON, P.C.
 P.O. BOX 2902
 MINNEAPOLIS, MN 55402-0902

CONFIRMATION NO. 7379

371 FORMALITIES LETTER



OC000000021582729

Date Mailed: 12/14/2006



**NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS
 CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5).

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
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For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

Seq. Digkette: 2/14/2007

10

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

BARBARA A CAMPBELL

Telephone: (703) 308-9140 EXT 217

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/580,906	PCT/JP04/17996	20039.0005USWO

FORM PCT/DO/EO/922 (371 Formalities Notice)

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/580,906
Source: 156P
Date Processed by STIC: 6/8/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

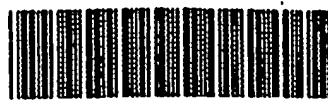
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Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
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Revised 01/10/06



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/580,906

DATE: 06/08/2006
TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING
AGENT.txt
Output Set: N:\CRF4\06082006\J580906.raw

3 <110> APPLICANT: FUKATSU et al.
5 <120> TITLE OF INVENTION: RECEPTOR FUNCTION REGULATING AGENT
7 <130> FILE REFERENCE: 20039.0005USWO
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/580,906
10 <141> CURRENT FILING DATE: 2006-05-26
12 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/017996
13 <151> PRIOR FILING DATE: 2004-11-26
15 <150> PRIOR APPLICATION NUMBER: JP 2003-394848
16 <151> PRIOR FILING DATE: 2003-11-26
18 <160> NUMBER OF SEQ ID NOS: 20
20 <170> SOFTWARE: PatentIn Version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 361
24 <212> TYPE: PRT
25 <213> ORGANISM: Human
W--> 26 <400> SEQUENCE: 1
28 Met Ser Pro Glu Cys Ala Arg Ala Ala Gly Asp Ala Pro Leu Arg Ser
29 5 10 15
30 Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys
31 20 25 30
32 Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
33 35 40 45
34 Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
35 50 55 60
36 Val Ala Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
37 65 70 75 80
38 Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
39 85 90 95
40 Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
41 100 105 110
42 Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
43 115 120 125
44 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln
45 130 135 140
46 Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Ala
47 145 150 155 160
48 Leu Ile Trp Gly Tyr Ser Ala Val Ala Leu Pro Leu Cys Val Phe
49 165 170 175
50 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser
51 180 185 190
52 Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp
53 195 200 205
54 Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val

pp 4/6
Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/580,906DATE: 06/08/2006
TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING

AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

55	210	215	220	
56	Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg			
57	225	230	235	240
58	Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser			
59	245	250	255	
60	Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser			
61	260	265	270	
62	Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu			
63	275	280	285	
64	Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe			
65	290	295	300	
66	Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu			
67	305	310	315	320
68	Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys			
69	325	330	335	
70	Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys			
71	340	345	350	
72	Arg Asn Asp Leu Ser Ile Ile Ser Gly			
73	355	360		
74	<210> SEQ ID NO: 2			
75	<211> LENGTH: 1083			
76	<212> TYPE: DNA			
77	<213> ORGANISM: Human			
78	<400> SEQUENCE: 2			
79	atgtccctg aatgcgcgcg ggccgcggc gacgcgcct tgcgcagccct ggagcaagcc	60		
80	aaccgcaccc gctttccctt cttctccgac gtcaaggcg accacccgct ggtgctggcc	120		
81	gcgggtggaga caaccgtgt ggtgctcatt tttgcagtgt cgctgtgtgg caacgtgtgc	180		
82	gccctgggtgc tgggtggcgcg cgcacgcgc cgcggcgca ctgcctgcct ggtactcaac	240		
83	ctcttctgcg cggacctgtt cttcatcage gctatccctc tgggtgtggc cgtgcgtctgg	300		
84	actgaggcct ggctgtgtgg ccccggttgc tgccacccgc tcttctacgt gatgaccctg	360		
85	agcggcagcg tcaccatcc caccgtggcc gcggtcagcc tggagcgcatt ggtgtgcattc	420		
86	gtgcacccgc agcgcggcgt gggggcttgc gggggccggc cgcggggcagt gtcgtggcg	480		
87	ctcatctggg gctattcggc ggtcggccgt ctgcctcttc ggttcttttccagtcgttc	540		
88	ccgcaacggc tccccggcgc cggaccaggaa atttcgattt gcacactgat ttggcccacc	600		
89	atccctggag agatctcggt ggatgtcttct tttgttactt tgaacttctt ggtgccagga	660		
90	ctggtcattt tgatcagttt ctccaaaattt ttacagatca caaaggcattc aaggaagagg	720		
91	ctcacggtaa gcttggccta ctggagagc caccatcc gctgttccca gcaggacttc	780		
92	cggtcttcc gcaaccctttt cctcttcattt gttcttcttc tcatcatgtg gagccccatc	840		
93	atcatcacca tcccttcattt cctgtatccag aacttcaagc aagacacttggt catctggccg	900		
94	tccctttctt tctgggtgtt ggccttcaca tttgttaattt cagccctaaa ccccatcc	960		
95	tacaacatga cactgtgcag gaatgagtgg aagaaaattt tttgtgttctt ctgggttccca	1020		
96	gaaaagggag ccatttttaac agacacatct gtcaaaagaa atgacttgc gattatttt	1080		
97	ggc	1083		
98	<210> SEQ ID NO: 3			
99	<211> LENGTH: 361			
100	<212> TYPE: PRT			
101	<213> ORGANISM: Mouse			
102	<400> SEQUENCE: 3			
103	Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser His Thr			

RAW SEQUENCE LISTING DATE: 06/08/2006
 PATENT APPLICATION: US/10/580,906 TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING

Output Set: N:\CRF4\06082006\J580906.raw

104 5 10 15
 105 Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
 106 20 25 30
 107 Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly
 108 35 40 45
 109 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
 110 50 55 60
 111 Val Ala Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn
 112 65 70 75 80
 113 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
 114 85 90 95
 115 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
 116 100 105 110
 117 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
 118 115 120 125
 119 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
 120 130 135 140
 121 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
 122 145 150 155 160
 123 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
 124 165 170 175
 125 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
 126 180 185 190
 127 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
 128 195 200 205
 129 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
 130 210 215 220
 131 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
 132 225 230 235 240
 133 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
 134 245 250 255
 135 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
 136 260 265 270
 137 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
 138 275 280 285
 139 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
 140 290 295 300
 141 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
 142 305 310 315 320
 143 Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys
 144 325 330 335
 145 Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg
 146 340 345 350
 147 Arg Asn Asp Leu Ser Val Ile Ser Ser
 148 355 360
 149 <210> SEQ ID NO: 4
 150 <211> LENGTH: 1083
 151 <212> TYPE: DNA
 152 <213> ORGANISM: Mouse

AGENT.txt

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/580,906

DATE: 06/08/2006
TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING

AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

W--> 153 <400> SEQUENCE: 4
154 atgtccctg agtgtgcaca gacgacgggc cctggccct cgcacaccct ggaccaagtc 60
155 aatcgccccc acttccctt ctctcgat gtcaaggcgc accaccgggtt ggtgttggac 120
156 gtcgtggaga ccaccgttct ggggctcatc ttgtctgtct cactgtggg caacgtgtgt 180
157 gctctagtgc tggtggcgcg cgtcgccgcg cgtggggcga cagccagect ggtgtcaac 240
158 ctcttctcgcg cggatttgcg ctccaccagec gccatccctc tagtgcctgt cgtgcgttgg 300
159 actgaggcct ggctgttggg gccegtcgcc tgccacccgc tcttctacgt gatgacaatg 360
160 agcggcagecg tcacgatctt cacaactggcc ggggtcagec tggagcgcgt ggtgtgcattc 420
161 gtgcgcctcc ggcgcggctt gageggcccg gggeggcgga ctcaaggccgc actgtgtgt 480
162 ttcatatggg gttactcgcc gtcggccgcg ctggccctt gcatcttggt ccgcgtggtc 540
163 ccccgagcgcc ttccccgggg ggaccaggaa attccgattt gcacatttggg ttggcccaac 600
164 cccataggag aaatctcatg ggtatgttgg tttgtgactt tgaacttctt ggtgcgggaa 660
165 ctgggtcattt tgatcgatc ctccaaaattt ttacagatca cgaaagcattc gcggaaggagg 720
166 cttaacgttgc gtcggccata ctctggagatc caccagatcc gagggtccca acaagactac 780
167 cgacttccgc gcacgcctt cttgtctatg gtttccctt tcatcatgtt ggttccatc 840
168 atcatccatca tcccttcattt ctgtatccaa aacttcggc aggacctgtt catctggcca 900
169 tccctttctt tctgggggtt ggcttcacg tttgcctaaact ctggccctaaa cccctatactg 960
170 tacaacatgt cgctgtttagt gaaacgaatgg aggaagattt tttgtgtttt cttttttcca 1020
171 gagaaggag ccatttttac agacacgttgc gtcaggcgaa atgacttgc tggttatttcc 1080
172 agc
173 <210> SEQ ID NO: 5
174 <211> LENGTH: 20
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
W--> 177 <220> FEATURE:
W--> 178 <223> OTHER INFORMATION:
W--> 178 <400> SEQUENCE: 5
179 gctgtggcat gcttttaaac 20
180 <210> SEQ ID NO: 6
181 <211> LENGTH: 20
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
W--> 184 <220> FEATURE:
W--> 185 <223> OTHER INFORMATION:
W--> 185 <400> SEQUENCE: 6
186 cgctgtggat gtctatttgc 20
187 <210> SEQ ID NO: 7
188 <211> LENGTH: 30
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
W--> 191 <220> FEATURE:
W--> 192 <223> OTHER INFORMATION:
W--> 192 <400> SEQUENCE: 7
193 agttcatttc cagtaccctc catcagtggc 30
194 <210> SEQ ID NO: 8
195 <211> LENGTH: 361
196 <212> TYPE: PRT
197 <213> ORGANISM: Rat
W--> 198 <400> SEQUENCE: 8

→ see p. 6 for error
Explanation

This error appears in
other sequences, too

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/580,906

DATE: 06/08/2006

TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING

AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

199 Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser Arg Thr
 200 5 10 15
 201 Pro Asp Gln Val Asn Arg Thr His Phe Pro Phe Ser Asp Val Lys
 202 20 25 30
 203 Gly Asp His Arg Leu Val Leu Ser Val Leu Glu Thr Thr Val Leu Gly
 204 35 40 45
 205 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
 206 50 55 60
 207 Val Val Arg Arg Arg Arg Gly Ala Thr Val Ser Leu Val Leu Asn
 208 65 70 75 80
 209 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
 210 85 90 95
 211 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
 212 100 105 110
 213 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
 214 115 120 125
 215 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
 216 130 135 140
 217 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
 218 145 150 155 160
 219 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
 220 165 170 175
 221 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
 222 180 185 190
 223 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
 224 195 200 205
 225 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
 226 210 215 220
 227 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
 228 225 230 235 240
 229 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
 230 245 250 255
 231 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
 232 260 265 270
 233 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
 234 275 280 285
 235 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
 236 290 295 300
 237 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
 238 305 310 315 320
 239 Tyr Asn Met Ser Leu Phe Arg Ser Glu Trp Arg Lys Ile Phe Cys Cys
 240 325 330 335
 241 Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Glu Thr Ser Ile Arg
 242 340 345 350
 243 Arg Asn Asp Leu Ser Val Ile Ser Thr
 244 355 360
 245 <210> SEQ ID NO: 9
 246 <211> LENGTH: 1083
 247 <212> TYPE: DNA

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/08/2006
PATENT APPLICATION: US/10/580,906 TIME: 10:08:06

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING

AGENT.txt

Output Set: N:\CRP4\06082006\J580906.raw

Use of <220> Feature (NEW RULES): error explosion

Sequence(s) are missing the <220> Feature and associated headings. Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:5,6,7,10,11,12,13,14,15,16,17,18,19,20

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/580,906

DATE: 06/08/2006
TIME: 10:08:06

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING
AGENT.txt
Output Set: N:\CRF4\06082006\J580906.raw

L:9 M:270 C: Current Application Number differs. Replaced Current Application Number
L:26 M:283 W: Missing Blank Line separator, <400> field identifier
L:78 M:283 W: Missing Blank Line separator, <400> field identifier
L:102 M:283 W: Missing Blank Line separator, <400> field identifier
L:153 M:283 W: Missing Blank Line separator, <400> field identifier
L:177 M:283 W: Missing Blank Line separator, <220> field identifier
L:178 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
ORGANISM:Artificial Sequence
L:178 M:283 W: Missing Blank Line separator, <400> field identifier
L:178 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:178
L:184 M:283 W: Missing Blank Line separator, <220> field identifier
L:185 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
ORGANISM:Artificial Sequence
L:185 M:283 W: Missing Blank Line separator, <400> field identifier
L:185 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:185
L:191 M:283 W: Missing Blank Line separator, <220> field identifier
L:192 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial Sequence
L:192 M:283 W: Missing Blank Line separator, <400> field identifier
L:192 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:192
L:198 M:283 W: Missing Blank Line separator, <400> field identifier
L:249 M:283 W: Missing Blank Line separator, <400> field identifier
L:273 M:283 W: Missing Blank Line separator, <220> field identifier
L:274 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial Sequence
L:274 M:283 W: Missing Blank Line separator, <400> field identifier
L:274 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:274
L:280 M:283 W: Missing Blank Line separator, <220> field identifier
L:281 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial Sequence
L:281 M:283 W: Missing Blank Line separator, <400> field identifier
L:281 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:281
L:287 M:283 W: Missing Blank Line separator, <220> field identifier
L:288 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial Sequence
L:288 M:283 W: Missing Blank Line separator, <400> field identifier
L:288 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:288
L:294 M:283 W: Missing Blank Line separator, <220> field identifier
L:295 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial Sequence
L:295 M:283 W: Missing Blank Line separator, <400> field identifier
L:295 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:295
L:301 M:283 W: Missing Blank Line separator, <220> field identifier
L:302 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence
L:302 M:283 W: Missing Blank Line separator, <400> field identifier
L:302 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:302
L:308 M:283 W: Missing Blank Line separator, <220> field identifier
L:309 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial Sequence
L:309 M:283 W: Missing Blank Line separator, <400> field identifier
L:309 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:309

L:315 M:283 W: Missing Blank Line separator, <220> field identifier
L:316 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial Sequence
L:316 M:283 W: Missing Blank Line separator, <400> field identifier
L:316 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16, Line#:316
L:322 M:283 W: Missing Blank Line separator, <220> field identifier